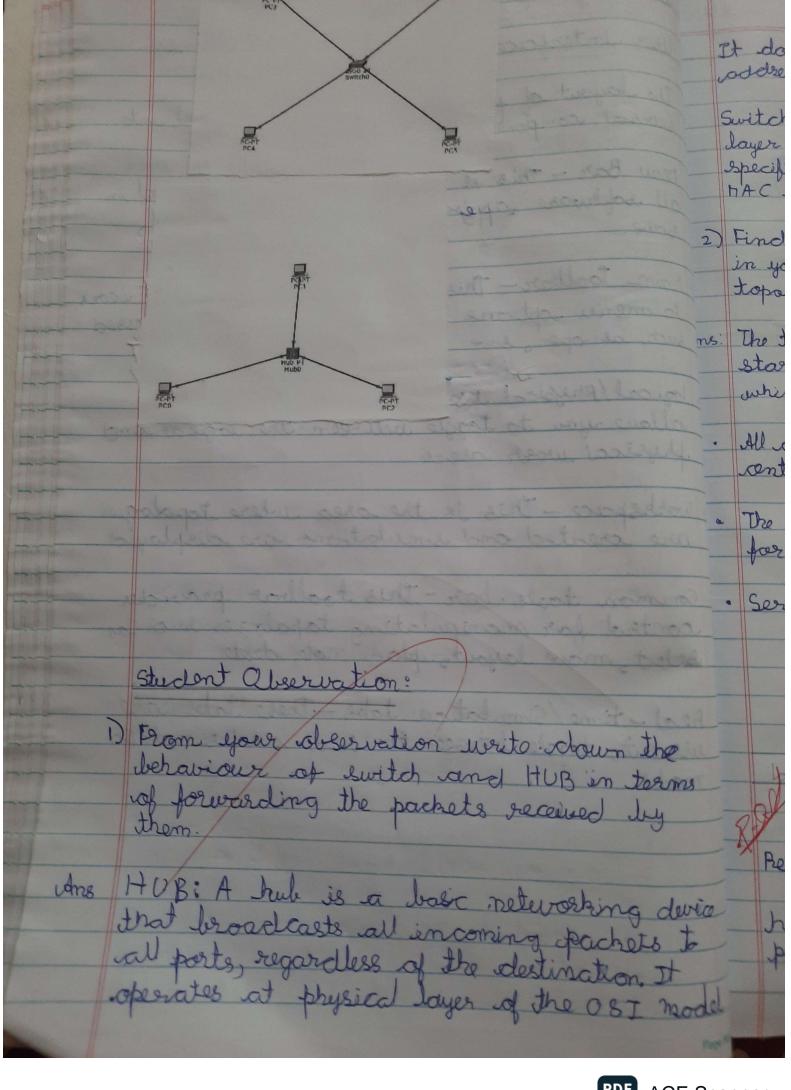
Ex 3: - Study the padret tracer Aim: To steedy the packet tracer tool installation and user interface overview Introduction: A simulator, as the name suggests, simulates network devices and its environment. Packet Tracker is an exciting network design, simulation and modelling tool. i) It allows you to model complex systems without the need for dedicated equipment in I helps you to practice your network.

configuration and troubleshooting skills

via computer on on andried or ion windows destate environments work and behave in the same way as they would on real hardware. inalippe the behaviour of network devices using CISCO packet tracer simulator

1) From the network component was ellow end drag - end-drop the steelow components a) 4 Ceneric PCs and One HUB b) 4 cenerat PC & ord one switch 2) Click on Connections: a) click on Copper straight - Through cable, D Select one of the PC and connect it to HUB using the cable. The link LED. should glow in green, indicating that the link is lip. Similarly connect remaining 3 PCS to the HUB a Similarly connect 4PCs to the switch disms copper to straight - through cable 4. dich ion the PC's connected to hely go to the desktop tab, click on IP configuration, and enter on IP coldress and subnet mask. 4) Observe the flow of PPO from source po to destination PC by selecting the realtime mode of simulation 5) Repeat etep #3 to step #5 for the PC's 6) abserve how HUB and switch are for warding the PDU and write your observation and tonclusion about the

apsara behaviors of switch and HUB. User interface Oberbiew: The layout of packet Tracer is divided into several components 1. Here Bar - This is a common mener found in all software application, it is used to open, 2. train toolbar - This box provides shortcut icons to menu options that are commonly accessed such as open, save 3. logical/physical workspace tabs- This tabs allow you to togglo between the logical and physical work areas 4 workspace - This is the area where topologies are created and simulations are displayed 5. Common tools bor - This toolbar provides control for monepulating topologies such as select, more layouts place note, debte 6. Real - time / Simulation tabs - These tales are used to toggle between the real and simulation



It does not filter traffic on known the MAC addresses of connected devices Switch: A switch operates at data link dayer and forwards packet only to the specific port associated with the destination MAC address. 2) Find out the network topology implemented in your college and draw and takel that topology in your observation book. Ans: The topology implemented in the college is star topology. It is the type of the topology which is described in the below. · All computers (clients) are connected to a central networking device, typically switch The switch is then connected to a router for internet access. · Servers also the connected to switch talt 2 Suitch and Thus the behaviour of network devices has been successfully analysed using CISCO packet tracer simulators